

CLAIMS

1. In a wireless communication device, a method of providing restrictions on long distance calls from the wireless communication device comprising the acts of:

5 receiving, over a wireless link, long distance call restriction information from a host computer;

storing the long distance call restriction information;

determining, at the wireless device, whether a call attempt from the wireless device is restricted by the long distance call restriction information;

10 if the call attempt is restricted by the long distance call restriction information, restricting the call attempt from the wireless device; and

if the call attempt is not restricted by the long distance call restriction information, allowing the call attempt from the wireless device.

15 2. The method of claim 1, comprising the further acts of:

receiving a telephone number via a user interface of the wireless communication device which represents the call attempt;

identifying a country code or area code in the telephone number; and

20 determining, at the wireless device, whether the call attempt is restricted based on the country code or the area code and the stored long distance call restriction information.

3. The method of claim 1, comprising the further acts of:

receiving a telephone number via a user interface of the wireless communication device which represents the call attempt;

identifying a country code or area code in the telephone number;

5 determining, at the wireless device, whether the call attempt is restricted based on the country code or area code and the stored long distance call restriction information; and

if the call attempt is restricted, providing a call restriction alert indication at the wireless communication device.

10

4. The method of claim 1, comprising the further acts of:

receiving a telephone number via a user interface of the wireless communication device which represents the call attempt;

identifying a country code or area code in the telephone number;

15 comparing the country code or area code with one or more allowable/disallowable codes indicated by the stored long distance call restriction information; and

if the call attempt is restricted, providing a call restriction alert indication at the wireless communication device.

20

5. A wireless communication device, comprising:

a radio modem which receives long distance call restriction information from a host computer;

memory which stores the long distance call restriction information;

a user interface which receives a telephone call attempt from an end user of the

5 wireless device;

a controller which:

determines whether the call attempt is restricted by the long distance call restriction information;

10 if the call attempt is restricted by the long distance call restriction information, restricting the call attempt from the wireless device; and

if the call attempt is not restricted by the long distance call restriction information, allowing the call attempt from the wireless device.

6. The wireless device of claim 5, wherein the controller further:

15 receives a telephone number via the user interface of the wireless communication device which represents the call attempt;

identifies a country code or area code in the telephone number; and

determines whether the call attempt is restricted based on the country code or the area code and the stored long distance call restriction information.

20

7. The wireless device of claim 5, wherein the controller further:

receives a telephone number via the user interface of the wireless communication device which represents the call attempt;

identifies a country code or area code in the telephone number;

determines whether the call attempt is restricted based on the country code or the area code and the stored long distance call restriction information; and
5 if the call attempt is restricted, providing for a call restriction alert indication.

8. The wireless device of claim 5, wherein the controller further:

receives a telephone number via the user interface of the wireless communication device which represents the call attempt;
10

identifies a country code or area code in the telephone number;

comparing the country code or area code with one or more allowable/disallowable codes indicated by the stored long distance call restriction information; and

15 if the call attempt is restricted, providing for a call restriction alert indication.

9. The wireless device of claim 5, further comprising:

wherein the radio modem receives long distance call restriction information of a user profile which uniquely corresponds to a mobile or subscriber identifier stored in the wireless device.
20

10. The wireless device of claim 5, further comprising:

a smart card interface for receiving a smart card; and
wherein the radio modem receives long distance call restriction information of a
user profile which uniquely corresponds to an identifier stored on the smart card.

- 5 11. A communication system, comprising:
a host computer network;
memory in the host computer network;
the memory for storing user profile information which is unique to a wireless
communication device or a subscriber thereof;
10 the user profile information including long distance call restriction information;
the host computer network configured to transmit the long distance call
restriction information to the wireless communication device through a wireless
communication network;
the wireless communication device including:
15 a radio modem which receives the long distance call restriction
information;
memory which stores the long distance call restriction information;
a user interface which receives a telephone call attempt from the
subscriber of the wireless device;
20 a controller which:
determines whether the call attempt is restricted by the long
distance call restriction information;

if the call attempt is restricted by the long distance call restriction information, restricting the call attempt from the wireless device; and

if the call attempt is not restricted by the long distance call restriction information, allowing the call attempt from the wireless device.

5

12. The communication system of claim 11, further comprising:
a private network which includes the host computer.

13. The communication system of claim 11, wherein the controller of the
10 wireless device further:

receives a telephone number via the user interface of the wireless device which represents the call attempt;

identifies a country code or area code in the telephone number;

determines whether the call attempt is restricted based on the country code or
15 the area code and the stored long distance call restriction information; and

if the call attempt is restricted, providing for a call restriction alert indication.

14. In a wireless communication device, a method of providing restrictions on long distance calls from the wireless communication device comprising the acts of:

20 receiving, from a user interface of the wireless device, a plurality of telephone call digits of a telephone number;

transmitting, to a host computer network, a query request to identify whether a telephone call to the telephone number should be restricted based on long distance call restriction information stored in the host computer network;

receiving, from the host computer network, a response to the query request;

5 if the response is positive, allowing the telephone call;

if the response is negative, restricting the telephone call and providing an audible or visual alert at the wireless device.

15. The method of claim 14, comprising the further act of:

10 transmitting the query only if the telephone number is identified as being a long distance telephone number.

16. In a server of a computer network, a method of providing restrictions of long distance calls from a wireless communication device comprising the acts of:

15 maintaining storage of long distance call restriction information in a user profile;

receiving a query request from a wireless communication device which is attempting to place a telephone call to a telephone number, where the query request includes data indicative of a country code or area code of the telephone number;

in response to the query request, searching the long distance call restriction
20 information to identify whether the telephone call with the country code or area code should be allowed or restricted; and

transmitting a response to the wireless device as to whether the telephone call is allowed or restricted.